

LPDES PERMIT NO. LA0124567 (Agency Interest No. 152139)**LPDES STATEMENT OF BASIS
FOR THE DRAFT LOUISIANA POLLUTANT DISCHARGE ELIMINATION SYSTEM
(LPDES) PERMIT TO DISCHARGE TO WATERS OF LOUISIANA**

- I. Company/Facility Name:** Red River Environmental Products, LLC
Red River Environmental Products
8100 South Park Way, Unit B
Littleton, Colorado 80120
- II. Issuing Office:** Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Water Permits Division
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Date Prepared: May 5, 2009

LAC 33:IX Citations: Unless otherwise stated, citations to LAC 33:IX refer to promulgated regulations listed at Louisiana Administrative Code, Title 33, Part IX.

40 CFR Citations: Unless otherwise stated, citations to 40 CFR refer to promulgated regulations listed at Title 40, Code of Federal Regulations in accordance with the dates specified at LAC 33:IX.4901, 4903, and 2301.F.

IV. Permit Action/Status:

A. Reason for Permit Action:

Proposed initial issuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term following regulations promulgated at LAC 33:IX.2365/40 CFR 122.46.

In order to ease the transition from NPDES to LPDES permits, dual regulatory references are provided where applicable. The LAC references are the legal references while the 40 CFR references are presented for informational purposes

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only. In most cases, LAC language is based on and is identical to the 40 CFR language. 40 CFR Parts 401, 405-415, and 417-471 have been adopted by reference at LAC 33:IX.4903 and will not have dual references. In addition, state standards (LAC 33:IX. Chapter 11) will not have dual references.

- B. LPDES permit: N/A, first time permit issuance
- C. Application submittal date: Application received on March 9, 2009.

V. Facility Information:

- A. Location – 201 Red River Mine Road, Coushatta, Red River Parish (Latitude 32°00'19", Longitude 93°23'28").

- B. Applicant Activity -

According to the application, Red River Environmental Products is a proposed activated carbon manufacturing facility. Activated Carbon will be manufactured from coal through a thermal process. The process involves controlled, high temperature steam activation of a coal source. The product is then cooled and stored for distribution to customers. The process also produces a gaseous by-product/waste stream from which the waste heat is recovered and used to generate electricity for on-site use and for sale to the local power grid. The facility will consist of dual production lines of multi-hearth furnaces (MHFs).

- C. Fee Rate -
 - 1. Fee Rating Facility Type: Minor
 - 2. Complexity Type: I (Complexity of I is established based upon BPJ since the product made by Red River Environmental is not listed in Table I of LAC 33:IX.1319)
 - 3. Wastewater Type: III
 - 4. SIC code: 2819

VI. Receiving Waters: Red River

- A. Red River Basin: Red River, Segment No.: 100101
- B. Designated Uses: primary contact recreation, secondary contact recreation, fish and wildlife propagation, drinking water supply and agriculture

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VII. Outfall Information:Outfall 001

- A. Type of wastewater – The continuous discharge of utility wastewaters, including but not limited to, cooling tower blowdown, 1st Pass RO reject, and ultrafiltration unit backwash
- B. Location – At the point of discharge from the wastewater tank to the effluent pipeline to the Red River (Latitude 31°59'19", Longitude 93°21'15")
- C. Treatment – None
- D. Flow – Estimated flow, 0.32 MGD
- E. Receiving waters – Red River
- F. Basin and segment – Red River Basin, Segment 100101

VIII. Proposed Permit Limits and Rationale:

The following section sets forth the principal facts and the significant factual, legal, methodological, and policy questions considered in preparing the draft permit.

Outfall 001 – The continuous discharge of utility wastewaters, including but not limited to, cooling tower blowdown, 1st Pass RO reject, and ultrafiltration unit backwash

Parameter	Proposed Permit Limitations		Monitoring Frequency
	Monthly Average mg/L	Daily Maximum mg/L	
Flow	Report	Report	1/month
pH	6.0 s.u. (Min)	9.0 s.u. (Max)	1/month
TOC	---	50 mg/L	1/month

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Oil & Grease	---	15 mg/L	1/month
Total Sulfate (as SO ₄)	---	Report	1/quarter

EFFLUENT LIMITATIONS BASIS for Outfall 001:

Flow: The requirement to report flow is based upon LAC 33:IX.2707.I.1.b.

TOC and Oil & Grease: Limitations are based on permitting for similar discharges.

pH: Requirements are based upon LAC 33:IX.1113.C.1.

Sulfates: A monitoring requirement for sulfates has been included in the permit due to the receiving stream's 303(d) status. The sulfates data collected may be used for future TMDL development.

MONITORING FREQUENCIES

Monitoring frequencies for all outfalls are based upon office practices for similar discharges.

IX. Compliance History/DMR Review:

No current enforcement history available. This is a proposed facility.

X. Endangered Species:

The receiving waterbody for Red River Environmental Products, LLC is Subsegment 100101 of the Red River Basin. The receiving waterbody, Subsegment 100101 of the Red River Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated November 24, 2008, from Rieck (FWS) to Nolan (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

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XI. Historic Sites:

The discharge will be from a proposed facility. LDEQ has consulted with the State Historic Preservation Officer (SHPO) in a letter dated March 10, 2009 to determine whether construction-related activities could potentially affect sites or properties on or eligible for listing on the National Register of Historic Places. SHPO's response, dated March 17, 2009, indicated that the facility as proposed will have no potential effects.

XII. Tentative Determination:

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to issue a permit for the discharges described in the application.

XIII. Variances:

No requests for variances have been received by this Office.

XIV. Public Notices:

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

A public notice will be published in a local newspaper of general circulation and in the Office of Environmental Services Public Notice Mailing List.

XV. TMDL Waterbodies:

Red River Environmental Products proposes to discharge utility wastewater into the Red River (Segment 100101). Segment 100101 is listed on LDEQ's 2006 Final Integrated Report as impaired for Sulfates and Color. To date, no TMDLS have been issued for the segment. For data gathering purposes to be used in future TMDL Development, Sulfates monitoring has been added to the permit.

A reopener clause will be included in the permit to allow for the establishment of more stringent effluent limitations and requirements as imposed by any future TMDLs.

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XVI. Permit Reopener Clause

The draft permit has incorporated a requirement for the permittee is to submit the applicable tables required under Section III of the IND Application Form, no later than two years after the commencement of discharge from the proposed facility as per LAC 33:IX.2501.K.5.f. Upon submittal of appropriate Items, LDEQ may choose to modify, or alternatively revoke and reissue this permit to change effluent limitations based on the actual reported flow or production. Additionally, the permit may be reopened to incorporate the results of any total maximum daily load allocation, which may be approved for the receiving water body.

XVII. IT Questions

Please refer to Document ID # 40734159, dated March 31, 2009, found in LDEQ's Electronic Document Management System (EDMS).